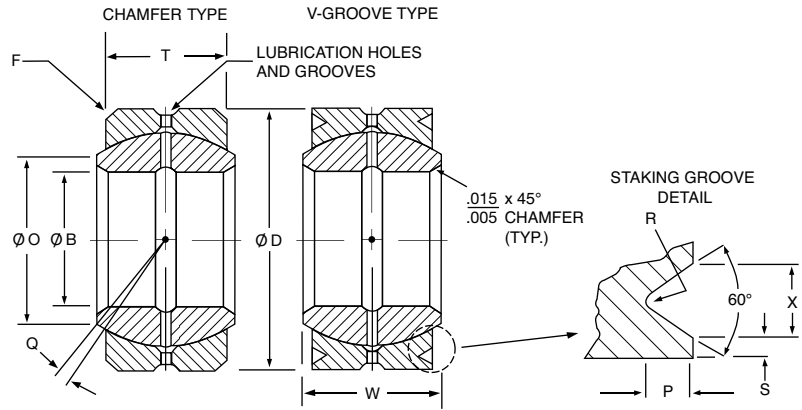
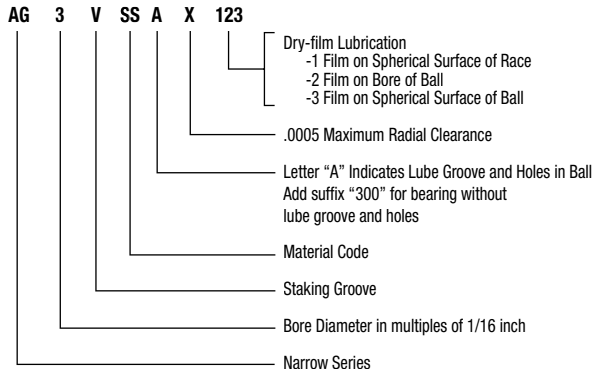


SPHERICAL BEARINGS – Metal-to-Metal

Narrow

NHBB P/N



Part Number V-Grooved*	(B)	(D)	(W)	(T)	(O)	Ball Diameter	(F)	(Q)	(P)	(R)	(S)	(X)	Limit Static Radial Load		Weight
	Bore Diameter	Outside Diameter	Ball Width	Race Width	Shoulder Diameter		Race Chamfered x 45°	Mis- alignment		Staking Groove Data			Bronze Race	Steel Race	
	Inch	Inch	Inch	Inch	Inch	Inch	Inch	Ref.	Inch	Inch	Inch	Inch	lbs.	lbs.	lbs.
	+ .0000 - .0005	+ .0000 - .0005	+ .000 - .005	+ .005 - .005	Ref.	Ref.	+ .000 - .010		+ .000 - .015	+ .000 - .010	+ .000 - .010	+ .000 - .010			Ref.
AG3V	.1900	.5625	.281	.218	.293	.406	.020	11°	.030	.015	.020	.045	2350	4060**	.02
AG4V	.2500	.6562	.343	.250	.364	.500	.022	13°	.030	.015	.020	.045	3700	6660	.02
AG5V	.3125	.7500	.375	.281	.419	.562	.032	11.5°	.040	.020	.030	.055	4580	8240	.03
AG6V	.3750	.8125	.406	.312	.517	.656	.032	9.5°	.040	.020	.030	.055	6360	11450	.04
AG7V	.4375	.9062	.437	.343	.572	.718	.032	9°	.040	.020	.030	.055	8080	14540	.05
AG8V	.5000	1.0000	.500	.390	.642	.813	.032	9°	.060	.020	.030	.080	11060	19900	.07
AG9V	.5625	1.0937	.562	.437	.671	.875	.032	10°	.060	.020	.030	.080	13960	25120	.09
AG10V	.6250	1.1875	.625	.500	.739	.968	.032	9°	.060	.020	.030	.080	17760	31970	.11
AG12V	.7500	1.4375	.750	.593	.920	1.187	.040	9°	.060	.020	.030	.080	27300	49140	.21
AG14V	.8750	1.5625	.875	.703	.980	1.312	.040	9°	.060	.020	.030	.080	36080	64940	.27
AG16V	1.0000	1.7500	1.000	.797	1.118	1.500	.040	9.5°	.060	.020	.030	.080	48300	86940	.39
AG18V	1.1250	2.1250	1.125	.900	1.334	1.750	.040	8°	.060	.020	.030	.080	63000	113400	.72
AG20V	1.2500	2.3125	1.250	1.000	1.473	1.937	.040	8°	.060	.020	.030	.080	79420	142950	.93
AG22V	1.3750	2.5625	1.375	1.100	1.654	2.156	.040	8°	.060	.020	.030	.080	99180	178520	1.28
AG24V	1.5000	2.8125	1.500	1.200	1.794	2.344	.040	8°	.060	.020	.030	.080	119540	215180	1.67

* For chamfered version, delete 'V' from part number.

** Based on pin limitation.

Notes:

- Radial Clearance: Free running to .002 max.
- Dimensions: All dimensions apply after plating.
- Groove dimensions on ID of race and grease holes through race are before bearing assembly, but swaging shall not restrict grease flow.

Materials

Part No.	Ball	Race
Catalog No.	52100 Alloy Steel Chrome Plated†	Aluminum Bronze (AMS 4635 and ASTM B 50/B150M) Cadmium Plated†
Catalog No. + S	"	4130 Alloy Steel Cadmium Plated†
Catalog No. + SS	"	CRES 17-4PH
Catalog No. + CR	CRES 440C	"
Catalog No. + CRP	CRES 440C, Chrome Plated†	"

† Plating: When specified in materials block, ball spherical diameter and ends are hard chrome plated per AMS-QQ-C-320, CL. 2 (.0002 to .0005 inch thickness). All external surfaces of race are cadmium plated per AMS-QQ-P-416.